

Porcine Luteinizing Hormone-Releasing Hormone ELISA Kit | LHRH elisa kit

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CATALOG #
AAA89279

REACTIVITY
Porcine

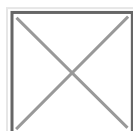
PRODUCT SYNONYMS

Luteinizing Hormone-Releasing Hormone; Porcine Luteinizing Hormone-Releasing Hormone ELISA Kit; LHRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of LHRH. No significant cross-reactivity or interference between LHRH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LHRH and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LHRH elisa kit

Intended Uses: This LHRH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine LHRH. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: LHRH ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LHRH antibody and an LHRH-HRP conjugate. The assay sample and buffer are incubated together with LHRH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LHRH concentration since LHRH from samples and LHRH-HRP conjugate compete for the anti-LHRH antibody binding site. Since the number of sites is limited, as more sites are occupied by LHRH from the sample, fewer sites are left to bind LHRH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LHRH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

912832

NCBI GeneID	613033
Molecular Weight	7,573 Da
NCBI Official Full Name	luteinizing hormone-releasing hormone, partial
NCBI Official Symbol	GNRH1
NCBI Official Synonym Symbols	GNRH; LHRH
NCBI Protein Information	progonadoliberin-1; progonadoliberin I; progonadoliberin-1 preproprotein; luteinizing hormone-releasing hormone
UniProt Protein Name	Progonadoliberin-1
UniProt Gene Name	GNRH1
UniProt Synonym Gene Names	GNRH; LHRH; GnRH-I; LH-RH I
UniProt Entry Name	GON1_MACMU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lhrh-porcine-elisa-kits/luteinizing-hormone-releasing-hormone/89279>